CLAIMS:

- A method of producing a soya bean product, the method including the step of exposing soya beans to an acidic aqueous solution.
- 2. A method as claimed in Claim 1, in which the acidic aqueous solution has a pH of between about 2,0 and 5,5.
- 3. A method as claimed in Claim 1, in which the soya beans are whole beans.
- 4. A method as claimed in Claim 1, which includes the prior step of dissolving an organic acid in water to produce the aqueous acidic solution.
- 5. A method as claimed in Claim 4, in which the organic acid is citric acid.
- 6. A method as claimed in Claim 4, which includes the step of dissolving a sugar in the water.

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- 7. A method as claimed in Claim 6, which includes the prior step of combining the organic acid and the sugar to form an additive and dissolving the additive in the water.
- 8. A method as claimed in Claim 6, in which the sugar is selected from dextrose, glucose and sucrose.
- 9. A method as claimed in Claim 1, in which the soya beans are exposed to the acidic aqueous solution by soaking the beans in the acidic aqueous solution for a period of between about 4 and 12 hours.

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- 10. A method as claimed in Claim 1, in which the soya beans are exposed to the acidic aqueous solution by soaking the beans in the acidic aqueous solution at a temperature of between about 2 and 16°C.
- 11. A method as claimed in Claim 6, in which the mass ratio of the organic acid to the sugar in the acidic aqueous solution is between about 100: 0 and 1:1.
- 12. A method as claimed in Claim 11, in which the mass ratio is about 1:1.

- 13. A method as claimed in Claim 9, in which the mass ratio of the combined organic acid and sugar to the soya beans is between about 0,1:100 and 2:100.
- 14. A method as claimed in Claim 9, which includes the further step of separating the soya beans from the aqueous solution and then blanching the separated beans.

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- 15. A method as claimed in Claim 14, in which the blanching step is conducted at a temperature of between about 95 and 100°C.
- 16. A method as claimed in Claim 14, in which the blanching step is conducted for a period of between about 2 and 6 minutes.
- 17. A method as claimed in Claim 14, which includes the step of milling the blanched soya beans to produce a slurry comprising a soya milk fraction and a soya solids fraction and separating the soya milk fraction from the soya solids fraction.
- 18. A method as claimed in Claim 17, in which the milling step is a wet milling step.

- 19. A method as claimed in Claim 18, in which the wet milling step is conducted at a temperature of between about 65 and 98°C.
- 20. A method as claimed in Claim 17, in which the time interval between each of the successive steps of soaking, separating, blanching and milling is between about 15 and 30 minutes.

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- 21. A method of producing a soya bean product by processing soya beans, the method including the step of at least partially decreasing the biological activity of oxidizing enzymes in the soya beans.
- 22. A method as claimed in Claim 21, in which the soya beans have hulls and in which the oxidising enzymes are largely contained in the hulls.
- 23. A method as claimed in Claim 21, in which the enzymes are lipoxygenase enzymes.
- 24. A method as claimed in Claim 21, in which the biological activity of the oxidizing enzymes is at least partially decreased by exposing the soya beans to an acidic aqueous solution.

- 25. A method as claimed in Claim 24, in which the acidic aqueous solution has a pH of between about 2,0 and 5,5.
- 26. A method as claimed in Claim 24, which includes the prior step of dissolving an organic acid in water to produce the aqueous acidic solution.
- 27. A method as claimed in Claim 26, in which the organic acid is citric acid.
- 28. A method as claimed in Claim 26, which includes the step of dissolving a sugar in the water.

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- 29. A method as claimed in Claim 28, which includes the prior step of combining the organic acid and the sugar to form an additive and dissolving the additive in the water.
- 30. A method as claimed in Claim 28, in which the sugar is selected from dextrose, glucose and sucrose.
- 31. A method as claimed in Claim 24, in which the soya beans are exposed to the acidic aqueous solution by soaking the beans in the acidic aqueous solution for a period of between about 4 and 12 hours.

- 32. A method as claimed in Claim 24, in which the soya beans are exposed to the acidic aqueous solution by soaking the beans in the acidic aqueous solution at a temperature of between about 2 and 16°C.
- A method as claimed in Claim 28, in which the mass ratio of the organic acid to the sugar in the acidic aqueous solution is between about 100: 0 and 1:1.
- 34. A method as claimed in Claim 33, in which the mass ratio is about 1:1.

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- 35. A method as claimed in Claim 28, in which the mass ratio of the combined organic acid and sugar to the soya beans is between about 0,1:100 and 2:100.
- 36. A method as claimed in Claim 31, which includes the further step of separating the soya beans from the aqueous solution and then blanching the separated beans.
- 37. A method as claimed in Claim 36, in which the blanching step is conducted at a temperature of between about 95 and 100°C.

- 38. A method as claimed in Claim 36, in which the blanching step is conducted for a period of between about 2 and 6 minutes.
- 39. A method as claimed in Claim 36, which includes the step of milling the blanched soya beans to produce a slurry comprising a soya milk fraction and a soya solids fraction and separating the soya milk fraction from the soya solids fraction.
- 40. A method as claimed in Claim 39, in which the milling step is a wet milling step.
- 41. A method as claimed in Claim 40, in which the wet milling step is conducted at a temperature of between about 65 and 98°C.
- 42. A method as claimed in Claim 39, in which the time interval between each of the successive steps of soaking, separating, blanching and milling is between about 15 and 30 minutes.

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43. A method as claimed in Claim 17, which includes spray-drying the soya milk to produce a spray-dried powder.

- 44. A method as claimed in Claim 39 which includes spray-drying the soya milk to produce a spray-dried powder.
- 45. A soya bean product produced in accordance with a method as claimed in Claim 1.
- 46. A soya bean product produced in accordance with a method as claimed in Claim 21.
- 47. An additive comprising an organic acid and a sugar for use in a method as claimed in Claim 7.

48. An additive comprising an organic acid and a sugar for use in a method as claimed in Claim 29.